PRESERVED

App. F. IX-4

Previous References

1926-4.

File No. 33-21

Serial Nos. 1 2

Later References

L V 41-29 (1-7)

P-18:(1)

General and Revenue Secretariat.

Serial Nos.

Part B for 1926.

SUBJECT

Report on the working of the Income-tax Act

L 38 11 & 3-10-26

1. Director of Agri.

Records the letter of Dir. of Agri. forwarding his annual

Calling for

Ir. Note a. 1

G. R. S. APP F.III—1] 1928.-29

GENERAL AND REVENUE SECRETARIAT.

(Dev. Br)

NOTES. C.N. File No. 38-28

FILE HEADING.

Reports on the working of the Sericulture Institute

FROM

The Director of Agri. in Mysore

No. Ser. 145/28-29 . Dated 8/9/28 Received 12.9.28

Diary No. 2248	Enclos. 2	Spare copies . .	Serial No. 1

BRIEF ABSTRACT OF LETTER.

Forwards in triplicate the annual report of the Sericulture Institute for the year 1927-28, submitted by the Officer in charge of the Institute, with the introductory remarks of the Director thereon.

NOTES AND ORDERS.

Dev. Secy's remarks on the P.U.D.:—

"1 copy retained"

(Sd.) D—R.

12-9-28

Submd.

2 This is the first annual report received after the Institute was started.

3 If it is decided to review this

NOTES—First Sheet.

General and Revenue Secretariat. C.V. File No. 38 of 1928-29

Serial No.

OFFICE OF THE SECOND MEMBER OF COUNCIL
20 SEP. 1928
No. 2429

this separately and not treat it as a part of the Report of the C.V.D., may one copy of it with a copy of the Director's remarks be sent to the Secretary, Govt Printing for being set in type?
Submd. for order

4

yes.

S.Dr. 15.9.28

The work of the Secretariat may be reviewed separately. It appd.

Sec'y D)

WP 19/9

6

I agree - Important portions in the report which may be referred to in the Secretariat one marked.

2d Member)

19.9.28

WP 19/9

7

The report may be recorded.

WP 20/9

20.9.28

WP 20/9

8

Draft submd.

S.Dr. 24-9-28

Sec'y D)

Dft for appl

WP 24/9.

Issue

WP 28/9 28

WP 29/9

NOTE—Contn. Sheet.

WD 01714—GPB—30,000—18-4-28

General and Revenue Secretariat. G. V. File No. 38 of 192 8-29

Serial No. 2

No.

The Director of Agri.
No. D-3871 8 3rd Oct. 1928
Records his letter, with its enclosures.

GEN. & REV. SECRETARIAT.
OCT. 1928
DEVELOPMENT BRANCH.

GEN. & REV. SECRETARIAT.
30 OCT. 1928
DEVELOPMENT BRANCH.

NOTE—Contn. Sheet.

WD 01714—GPB—30,000—18-4-28

Telegraphic Address "Agri., Bangalore."
Code—5th Edition A. B. C.

DEPARTMENT OF AGRICULTURE, MYSORE STATE.

In reply please quote in full the Nos. and indicative symbol given below.

Per/38/.. per 45/28-29.

BANGALORE,

8th September ..... 192 8.

FROM Report in triplicate

LESLIE C. COLEMAN, ESQ., M.A., PH.D.,
DIRECTOR OF AGRICULTURE IN MYSORE.

GOVT. REV. SECRETARIAT. 2248 12 SEP. 1928 DEVELOPMENT BRANCH.

To 12/9/28 C.V 38-28-1 12/9

(corrected)

The Hon. R.S., Esq., B.A., B.L.;

Secretary to the Government of Mysore,

Development Department, Bangalore.

SIR,

I have the honour to forward herewith the annual Report of the Serum Institute (in triplicate) for the year 1927-28 prepared by the Officer in charge, together with my introductory remarks.

I have the honour to be
Sir,
Your most obedient servant,

Director of Agriculture.

C.T.D.

Encl 4/9/28

Annual Report of the Serum Institute for the year 1927-28

Introduction

The Serum Institute has been established with the primary object of meeting the needs of the State for serum to combat our most serious cattle disease, Rinderpest. Prior to its organization the Bombay Veterinary Department drew its serum supplies from the Imperial Veterinary Institute at Mukteswar, a procedure which led to a large expenditure of money on transport, at times also supplies have not been available when they were required.

The conditions under which the Serum Institute has had during the first year of its existence to work have been by no means ideal. In the first place, buildings constructed for an entirely different purpose have had to be adapted to serve as laboratories and preparation rooms. In the second place, the original sanction was for a period of only three months, the expiry of the period coinciding almost exactly with my taking over charge of the Department of Agriculture. This led inevitably to a dislocation of work at a time when serum was most urgently required. Notwithstanding this fact, the work of the Institute has been extremely creditable, the amounts of the serum turned out being considerably in excess of my anticipations. The quality of the serum has been excellent, there having been very few complaints on this score. There have, however, been many complaints with regard to the insufficiency of supply. This as already pointed out, has been due partly to dislocation of work at the end of the first three months, but more especially to the unexpectedly heavy incidence of Rinderpest during the last six months of the year. It is hoped to avoid a recurrence of this condition through building up a considerable reserve stock of serum but this in a new institution takes time.

The question of a reserve stock of animals referred to in the report is an important one. More especially is this the case with animals for virus production as these have to be drawn mainly from isolated Mofussil areas from which animals can be obtained only with the greatest difficulty during the monsoon months (June, July and August). Proposals are [illegible] before Government to [illegible] Forest Naval

kaval about twenty miles from Bangalore as a reserve centre for these animals.

5 These measures should go far towards preventing a recurrence of serum shortage and should enable the Veterinary Department to deal with Rinderpest out-breaks before they get out of hand.

6 In conclusion I wish to express my appreciation of the ability and industry shown by Dr. Parthasarathy and the staff working under him in what has been undoubtedly a very difficult task.

Director of Agriculture.

C.T.D.(6)

8-9-28.

ANNUAL REPORT OF THE MYSORE SERUM INSTITUTE FOR THE YEAR 1927-28.

The present Serum Institute was called Virus Depot at the beginning of the year and it was under the charge of Major Simpson, Superintendent, Mysore Civil Veterinary Department till 27-9-1927. The Virus Depot was made into a Serum Institute for the production of Serum as an experimental measure, when both the virus and serum production work were placed under the Officer-in-Charge, Serum Institute and Major Simpson handed over charge on 27-9-27 for co-ordination in the production of both as per G.O.No. D. 2623-5/ C.V. 95-25-35 dated 13-9-27. The establishment in the Depot was one Veterinary Inspector, one Salustry and nine cattlemen. The work of the Depot was to produce rinderpest virus and to supply to the Superintendent's Office. During this period 109 animals were used, 31,430 c.c. of virus produced and about 28,465 c.c. of virus supplied to the Civil Veterinary Department.

The period after 13th September to the end of June 28 may be divided into two; the first was for three months as sanctioned in G.O.No.D.2623-5/C.V. 95-25-35 dated 13-9-27 which was extended till 11th Jan. 28 in G.O.No.D.7121-23/C.V. 65-27-4 dated 9th Jan. 28 - second period extended from 11th Jan. 28 to end of May 28 as per G.O.No.D.8771-3/C.V. 65-27-10 dated 24th Feb. 28. The first period was extended to the second as the experimental production of anti-rinderpest serum in the State was considered to be a success and to meet the increasing demand for serum from the Civil Veterinary Department.

The premises of the Institute were the out houses of the Chief Commandant's office with its compound. The out houses and the stables were modified and renovated to meet the requirements of the Institute; an additional cattle shed was constructed during the first period and at the end of the second period three more stalls were constructed. A throwing shed and a watering trough were also put up. The total amount spent on buildings, repairs etc., was Rs 5,596/-.

Bacteriological requirements and vessels and bottles were bought from time to time at a total cost of Rs 5,412-14-0. The Premier Metal Factory were

kind enough to make all the vessels that were required for the Institute, as per instructions given to them. The amount spent on other requirements was Rs 1278/-. Chemicals and other drugs were obtained from Medical Stores as far as they could supply, the rest were bought locally.

The work of the Institute consisted of the production of virus and serum.

Office. During the first period it consisted of one clerk and two peons, during the second period, one Accountant, one chart clerk and two peons and two watchmen. For convonience of calculation the establishment charges on account of the office section may be allocated in the ratio of 1 to 2 for virus and serum sections. The amount spent for office establishment during the two periods was Rs 941-10-9.

Virus Work. The establishment that was working in the virus depot continued in this section during both the periods. There was no increase in the establishment and it consisted of 1 Veterinary Inspector, 1 Salustry and 9 cattlemen till 2nd June 28 when Mr. Achar who was first grade Veterinary Inspector working in the virus section, was made Veterinary Assistant Superintendent. The establishment in the virus section was borne on the Civil Veterinary Department and paid out of the budget of the Civil Veterinary Department till 29th Feb. 28 when they were transferred to the Serum Institute.

During the first period and some time during the second period calves were obtained from suppliers when it was found that there was a large number of failures among the inoculated calves. The system was given up. One of the Veterinary Inspectors was detailed to buy calves from Malnad Districts and definite parts of the State and despatch to the Institute. When sufficient number of animals were not available by this method some of the previous suppliers were requested to get the animals from definite selected localities, especially when the demand for virus from the Civil Veterinary Department was enormous.

The number of calves used during 1st July to 13th Sept. 27, i.e at the virus depot was 109, the number used during the first period was 286,

the number used during the second period was 735 making up a total of 1130. 364 died, a death rate of 32 % among the total number.

Quantity of virus produced during 1st July to 13th Sept. 27 was 31,430 c.c.

Quantity of virus produced during 14th Sept.27 to 12th Jan.28 was . 98,005 c.c.

Quantity of virus produced during the third period was . .3,32,845 c.c.

Total quantity of virus produced was . 4,62,280 c.c.

Quantity of virus supplied to the Mysore Civil Vety. Department was 4,31,080 c.c.

Quantity of virus supplied to the Madras Civil Vety. Department was 6,525 c.c.

Quantity of virus used in the Institute was 11,425 c.c.

The remaining quantity of virus was spoilt and discorded on account of pyro and other causes.

The cost of calves . . .		Rs 19,946-5-0
Establishment charges. (half of Officer's pay and one third of Office establishment pay included)		5,805-2-5
Feeding charges. (one third of the whole cost is taken)		3,084-0-5
Contingencies. (one half of the whole cost is taken)		2,961-2-8
Gross cost on the whole	Rs	31,796-10-6
Deduct receipts from the sale of 638 calves	Rs 3,276-12-0 &	
the sale of carcasses	858-0-0	
Total receipts	Rs	4,134-12-0
Net cost	Rs	27,661-14-6

The 4,62,280 c.c. of virus produced costed Rs 27,661-14-6 working nearly, at one anna per c.c. of virus.

Serum Work. Serum work was started about the end of September 27 when buffaloes were available for the work. During the first period, i.e., from 13th Sept.27 to 12th Jan.28, the establishment consisted of 2 Veterinary Inspectors, 2 Salustries and 10 Cattlemen and later 6 more Cattlemen were tem porarily appointed as the work increased and the increase in the number of animals. During the second period, the establishment -

consisted of 3 Veterinary Inspectors, 4 Salustries and 17 cattlemen and 2 thotties ; and 6 more cattlemen were appointed from 21-4-28 as per Director's letter No. Roc. 1576/25/26 dated 30-4-28 and G.O.No.D. 12494-5/C.V. 65-27-17 dated 18th May 28. Laboratory section consisted of 1 Mediaman, 1 Laboratory Attendant and 1 Serum room Attendant and Packing section, 1 Carpenter.

Animals used were he buffaloes purchased either by Veterinary Inspectors or supplied to the Institute by contractors. The number of animals used during the first period was 165, during the second period was 220 making up a total of 385. Of these, 20 died, 60 done buffaloes were returned and 305 were sold.

Quantity of serum produced during 1st period was 1,80,000 doses

Quantity of serum produced during 2nd period was 3,45,260 doses

Total quantity produced 5,25,260 doses

Quantity of serum supplied to the Mysore Civil Vety. Department was 5,14,260 doses

The remaining quantity of serum were made use of in the Institute for serum producing work and for treating the animals.

The cost of he-buffaloes . .	Rs 11,894-4-0
Establishment charges. (half of Officer's pay and two thirds of Office Establishment pay included) . .	6,417-12-6
Feeding charges. (two thirds of the whole cost is taken)	6,168-0-10
Contingencies. (one half of the whole cost is taken)	2,961-2-8
Gross cost on the whole	Rs 27,441-4-0
Deduct receipts from the sale of 305 buffaloes Rs 4,592-12-0 & the sale of carcasses Rs 120- 0-0	
Total receipts Rs	4,712-12-0
Net cost Rs	22,728-8-0

The 5,25,260 doses of rinderpest serum produced costed Rs 22,728-12-0 working nearly, at Rs 0-0-9 per dose of serum. Using 5 doses as the average per animal, for inoculation, the cost per animal will be Rs 0-3-9.

During the course of the year, the work increased steadily so that difficulty was felt on account of the insufficiency of staff and insufficiec of space for laboratory, serum and office room accommodation, sheds etc. Proposals were sent for an increased staff for the current year which was sanctioned by Government. As regards the difficulty of accommodation, the decision of Government is awaited as to the shifting to the Old Sawar Lines or to any other place, as the present building accommodation is too small for the present needs of the Institute. A place for keeping reserve animals for the Institute is also absolutely necessary as difficulty is felt not only in accommodating the animals but a fairly large number of animals cannot be kept handy so that they may be easily available when there is specially a heavy demand.

Officer-in-Charge,
Serum Institute.

G.R.S. App. F.VI G-2]

9

SUBJECT.....

.....

.....

Diary No. of letter replied to.....

General and revenue Secretariat

( )

the 192 .

Date of issue 3-10-28

Signed by... M.V. Acharya

May this be

i Printed ? Yes

ii treated as a standing order ? No

iii published in the Gazette, Yes

~~English Part ?~~

iv translated ? Yes

v placed at the disposal of the press ? Yes

vi published in the Gazette, Kannada Part ? Yes.

Secn. C. V

File No. 38-28

Serial No. 2

Proceedings of the Government of His Highness the Maharaja of Mysore.

Read—

Letter No. Per. 45/28-29, dated the 8th Sep. 1928 from the Director of Agri. in Mysore, forwarding, with his ~~intended~~ remarks, a report submitted by the Officer in charge of the Serum Institute on the work of the ~~Department~~ Institute for the ~~Year~~ 1927-28 ~~Ended~~ ~~Thereon~~ ~~No.~~

(printed as annexure)

Order D 3871/ 3-10-28

Recorded.

WD

24/9/28 Secy. to Govt. Dom. Depts.

1.Or. 24/9

To

The Director of Agri. in Mysore

App. F. VI G 10.

Government of His Highness the Maharaja of Mysore.

GENERAL AND REVENUE DEPARTMENTS

Report on the work of the Serum Institute.

Records the _____ for the year 1927-28 with the remarks of the Director of Agriculture thereon

G. O. No. D 3871/ CN 38-28-2 DATED 3rd Oct. 1928.

May this be

i. printed? Yes

ii. treated as a standing order? No

iii. published in the Gazette English Part? Yes.

iv. translated?

v. placed at the disposal of the press? Yes

vi. published in the Gazette Kannada Part? No

2/10

Government of his highness the Maharaja of Mysore.

GENERAL AND REVENUE DEPARTMENTS.

G. O. No. D. 3871—C. V. 38-28-2, dated 3rd October 1928.

Report on the work of the Serum Institute.

Records the ——— for 1927-28 with remarks of the Director of Agriculture thereon

READ—

Letter No. Per. 45—28-29, dated the 8th September 1928, from the Director of Agriculture in Mysore, forwarding, with his remarks, a report submitted by the Officer in charge of the Serum Institute on the work of the Institute for the year 1927-28.

(Printed as annexure.)

ORDER NO. D. 3871—C. V. 38-28-2, DATED 3RD OCTOBER 1928.

Recorded.

N. RAMA RAO,
Secretary to Government,
Development Departments.

To—The Director of Agriculture in Mysore.

Exd.—C. K.

No. D. 3871—C. V. 38-28-2, DATED 3RD OCTOBER 1928.

ANNUAL REPORT OF THE SERUM INSTITUTE FOR THE YEAR 1927-28.

INTRODUCTION.

The Serum Institute has been established with the primary object of meeting the needs of the State for Serum to combat our most serious cattle disease—Rinderpest. Prior to its organisation, the State Veterinary Department drew its serum supplies from the Imperial Veterinary Institute at Mukhtesar, a procedure which led to a large expenditure of money on transport ; at times also supplies have not been available when they were required.

2. The conditions under which the Serum Institute has had to work during the first year of its existence have been by no means ideal. In the first place, buildings constructed for an entirely different purpose have had to be adapted to serve as laboratories and preparation rooms. In the second place, the original sanction was for a period of only three months, the expiry of the period coinciding almost exactly with my taking over charge of the Agricultural Department. This led inevitably to a dislocation of work at a time when serum was most urgently required. Notwithstanding this fact, the work of the Institute has been extremely creditable, the amounts of the serum turned out being considerably in excess of my anticipations.

3. The quality of the serum has been excellent, there having been very few complaints on this score. There have, however, been many complaints with regard to the insufficiency of supply. This, as already pointed out, has been due partly to dislocation of work at the end of the first three months, but more especially to the unexpectedly heavy incidence of Rinderpest during the last six months of the year. It is hoped to avoid a recurrence of this condition through building up a considerable reserve stock of serum ; but this in a new institution takes time.

4. The question of a reserve stock of animals referred to in the report is an important one. More especially is this the case with animals for virus production, as these have to be drawn mainly from isolated Malnad areas from which animals can be obtained only with the greatest difficulty during the monsoon months (June, July and August). Proposals are at present before Government to use an isolated Forest Kaval about twenty miles from Bangalore as a reserve centre for these animals.

5. These measures should go far towards preventing a re-occurrence of serious serum shortage and should enable the Veterinary Department to deal with Rinderpest outbreaks before they get out of hand.

6. In conclusion, I wish to express my appreciation of the ability and industry shown by Dr. Parthasarathy and the staff working under him in what has been undoubtedly a very difficult task.

LESLIE C. COLEMAN,
Director.

No. D. 3871—C. V. 38-28-2, DATED 3RD OCTOBER 1928.

ANNUAL REPORT OF THE MYSORE SERUM INSTITUTE FOR THE YEAR 1927-28.

The present Serum Institute was called Virus Depot at the beginning of the year and it was under the charge of Major Simpson, Superintendent, Mysore Civil Veterinary Department till 27th September 1927. The Virus Depot was made into a Serum Institute for the production of serum as an experimental measure, when both the virus and serum production work were placed under the Officer-in-charge, Serum Institute and Major Simpson handed over charge on 27th September 1927 for co-ordination in the production of both as per Government Order No. D. 2623-5—C. V. 95-25-35, dated 13th September 1927. The establishment in the Depot was one Veterinary Inspector, one Salustry and nine Cattlemen. The work of the Depot was to produce rinderpest virus and to supply to the Superintendent's Office. During this period 109 animals were used, 31,430 c. c. of virus produced and about 28,465 c. c. of virus supplied to the Civil Veterinary Department.

The period after 13th September to the end of June 1928 may be divided into two ; the first was for three months as sanctioned in Government Order No. D. 2623-5—C. V. 95-25-35, dated 13th September 1927 which was extended till 11th January 1928 in Government Order No. D. 7121-23— C. V. 65-27-4, dated 9th January 1928, second period extended from 11th January 1928 to end of May 1928 as per Government Order No. D. 8771-3—C. V. 65-27-10, dated 24th February 1928. The first period was extended to the second as the experimental production of anti-rinderpest serum in the State was considered to be a success and to meet the increasing demand for serum from the Civil Veterinary Department.

The premises of the Institute were the out-houses of the Chief Commandant's office with its compound. The out-houses and the stables were modified and renovated to meet the requirements of the Institute ; an additional cattle shed was constructed during the first period and at the end of the second period, three more stalls were constructed. A throwing shed and a watering trough were also put up. The total amount spent on buildings, repairs, etc., was Rs. 5,596.

Bacteriological requirements and vessels and bottles were bought from time to time at a total cost of Rs. 5,412-14-0. The Premier Metal Factory was kind enough to make all the vessels that were required for the Institute, as per instructions given to them. The amount spent on other requirements was Rs. 1,278. Chemicals and other drugs were obtained from Medical Stores as far as they could supply, the rest were bought locally.

The work of the Institute consisted of the production of virus and serum.

Office.—During the first period, it consisted of one clerk and two peons ; during the second period, one accountant, one chart clerk and two peons and two watchmen. For convenience of calculation, the establishment charges on account of the office section may be allocated in the ratio of 1 to 2 for virus and serum sections. The amount spent for office establishment during the two periods was Rs. 941-10-9.

Virus work.—The establishment that was working in the virus depot continued in this section during both the periods. There was no increase in the establishment and it consisted of one Veterinary Inspector, one Salustry and 9 Cattlemen till 2nd June 1928, when Mr. Achar who was first grade Veterinary Inspector, working in the virus section, was made Veterinary Assistant Superintendent. The establishment in the virus section was borne on the Civil Veterinary Department and paid out of the budget of the Civil Veterinary Department till 29th February 1928 when they were transferred to the Serum Institute.

During the first period and some time during the second period, calves were obtained from suppliers, when it was found that there was a large number of failures among the inoculated calves. The system was given up. One of the Veterinary Inspectors was detailed to buy calves from Malnad Districts and definite parts of the State and despatch to the Institute. When sufficient number of animals were not available by this method, some of the previous suppliers were requested to get the animals from definite selected localities, especially when the demand for virus from the Civil Veterinary Department was enormous.

The number of calves used during 1st July to 13th September 1927, *i.e.*, at the virus depot was 109, the number used during the first period was 286, the number used during

the second period was 735, making up a total of 1,130. Three hundred and sixty-four died, a death rate of 32 per cent among the total number :—

Quantity of virus produced during 1st July to 13th September 1927 was	.. 31,430 c. c.
Quantity of virus produced during 14th September 1927 to 12th January 1928 was	.. 98,005 c. c.
Quantity of virus produced during the third period was	.. 3,32,845 c. c.
Total quantity of virus produced was	.. 4,62,280 c. c.
Quantity of virus supplied to the Mysore Civil Veterinary Department was	.. 4,31,080 c. c.
Quantity of virus supplied to the Madras Civil Veterinary Department was	.. 6,525 c. c.
Quantity of virus used in the Institute was ..	.. 11,425 c. c.
The remaining quantity of virus was spoilt and discarded on account of pyro and other causes.	

	Rs. a. p.
The cost of calves	19,946 5 0
Establishment charges— (half of Officer's pay and one-third of Office establishment pay included)	5,805 2 5
Feeding charges— (one-third of the whole cost is taken)	3,084 0 5
Contingencies— (one half of the whole cost is taken)	2,961 2 8
Gross cost on the whole	.. 31,796 10 6
Deduct receipts from .. the sale of 638 calves .. 3,276 12 0 and the sale of carcasses .. 858 0 0	
Total receipts	.. 4,134 12 0
Net cost	.. 27,661 14 6

The 4,62,280 c. c. of virus produced costed Rs. 27,661-14-6 working nearly, at one anna per c. c. of virus.

Serum work.—Serum work was started about the end of September 1927 when buffaloes were available for the work. During the first period, *i.e.*, from 13th September 1927 to 12th January 1928, the establishment consisted of two Veterinary Inspectors, two Salustries and ten Cattlemen and later six more Cattlemen were temporarily appointed as the work increased and the increase in the number of animals. During the second period, the establishment consisted of three Veterinary Inspectors, four Salustries and 17 Cattlemen and two thotties ; and six more Cattlemen were appointed from 21st April 1928 as per Director's letter No. Roc. 1576—25—26, dated 30th April 1928 and Government Order No. D. 12494-5—C. V. 65-27-17, dated 18th May 1928. Laboratory Section consisted of one Mediaman, one Laboratory Attendant and one Serum Room Attendant and Packing Section, one carpenter.

Animals were he-buffaloes purchased either by Veterinary Inspectors or supplied to the Institute by contractors. The number of animals used during the first period was 165, during the second period was 220, making up a total of 385. Of these, 20 died, 60 done buffaloes were returned and 305 were sold :—

Quantity of serum produced during 1st period was	.. 1,80,000 doses
Do 2nd period was	.. 3,45,260 doses
Total quantity produced	.. 5,25,260 doses
Quantity of serum supplied to the Mysore Civil Veterinary Department was	.. 5,14,260 doses
The remaining quantity of serum was made use of in the Institute for serum producing work and for treating the animals.	

			Rs. a. p.
The cost of he-buffaloes	..	..	.. 11,894 4 0
Establishment charges—			
(Half of officer's pay and two-thirds of office establishment pay included)	..	.. ..	.. 6,417 12 6
Feeding charges—			
(two-thirds of the whole cost is taken)		..	.. 6,168 0 10
Contingencies—			
(one half of the whole cost is taken)		..	.. 2,961 2 8
	Gross cost on the whole		.. 27,441 4 0
Deduct receipts from .. the sale of 305 buffaloes	.. 4,592 12 0 and		
the sale of carcasses	120 0 0		
	Total receipts		.. 4,712 12 0
	Net cost		.. 22,728 8 0

The 5,25,260 doses of rinderpest serum produced costed Rs. 22,728-12-0 working nearly, at Re. 0-0-9 per dose of serum. Using 5 doses as the average per animal, for inoculation, the cost per animal will be Re. 0-3-9.

During the course of the year, the work increased steadily so that difficulty was felt on account of the insufficiency of staff and insufficiency of space for laboratory, serum and office room accommodation, sheds, etc. Proposals were sent for an increased staff for the current year which was sanctioned by Government. As regards the difficulty of accommodation, the decision of Government is awaited as to the shifting to the Old Sawar Lines or to any other place, as the present building accommodation is too small for the present needs of the Institute. A place for keeping reserve animals for the Institute is also absolutely necessary as difficulty is felt not only in accommodating the animals but a fairly large number of animals cannot be kept handy so that they may be easily available when there is specially a heavy demand.

P. PARTHASARATHY,
Officer-in-charge, Serum Institute.

W D 1122—GPB—525—10-10-28